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Comprehensive *T*-matrix reference database: A 2004–06 update

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Abstract

The *T*-matrix method is one of the most versatile, efficient, and widely used theoretical techniques for the computation of electromagnetic scattering by single and composite particles, discrete random media, and particles in the vicinity of an interface separating two half-spaces with different refractive indices. This paper presents an update to the comprehensive database of *T*-matrix publications authored by us previously and includes the publications that appeared since 2004. It also lists several earlier publications not included in the original database.
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Keywords: Electromagnetic scattering; *T*-matrix method

1. Introduction

The original database of *T*-matrix publications was published in 2004 (Mishchenko et al., 2004b) and, as evidenced by numerous citations, has proved to be very useful. The customers of this database have indicated to us on many occasions that they would like to see an updated version, which appears to make much sense given the increasing popularity of the *T*-matrix approach (Fig. 1). The way we decided to accommodate this request is twofold. First, we have made the necessary corrections and straightforward updates in the original database, and the result is now posted at http://www.giss.nasa.gov/~crmim/. Second, this paper lists the earlier publications that had been omitted inadvertently in Mishchenko et al. (2004b) as well as the most recent publications that appeared since 2004. Both documents have benefited from the numerous communications that we have received from many members of the electromagnetic scattering community. It goes without saying that we appreciate very much their collective contribution to what has largely become a community-wide project.

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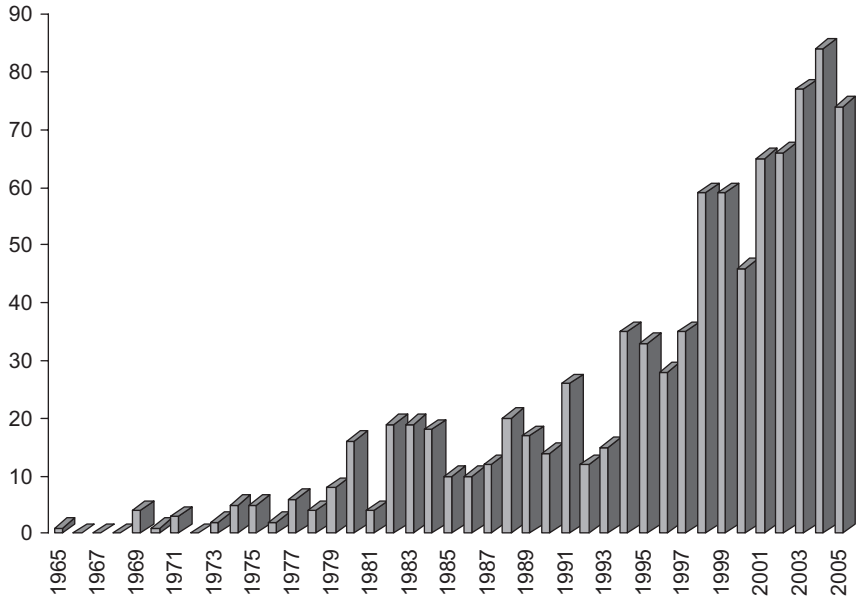

Fig. 1. Annual frequency distribution of the *T*-matrix publications.

As in Mishchenko et al. (2004b), we have adhered to the following general restrictions:

- With a few important exceptions, the database includes only publications dealing with electromagnetic scattering.
- As a rule, publications on scattering by isolated infinite cylinders and systems of parallel infinite cylinders in unbounded space are excluded.
- Publications on the Lorenz–Mie theory and its various extensions to radially inhomogeneous spherically symmetric scatterers are not included.
- The database includes only references to books, peer-reviewed book chapters, and peer-reviewed journal papers.

Also, we have continued to use the following operational definition of the *T*-matrix method:

> In the *T*-matrix method, the incident and scattered electric fields are expanded in series of suitable vector spherical wave functions, and the relation between the columns of the respective expansion coefficients is established by means of a transition matrix (or *T*-matrix). This concept can be applied to the entire scatterer as well as to separate parts of a composite scatterer.

This definition is consistent with the general methodology described in Mishchenko et al. (2002) and Doicu et al. (2006) and is significantly wider than, e.g., the notion of the extended boundary condition method (EBCM). In our terminology, EBCM is just one of many potential techniques for the computation of the *T*-matrix.

As in the original database, the various references are classified into a set of narrower subject categories (Sections 2 and 3). The set and the numbering of the subject categories are essentially the same as in Mishchenko et al. (2004b). The reader will see, however, that a few categories are not populated since no relevant publications have appeared during the past 3 years.

As previously, we do not assess the validity and importance of the results described in the specific publications included in this database, which means that the inclusion of a publication does not constitute any formal endorsement or quality certification on our part. We plan to maintain an updated version of the combined database on the web site http://www.giss.nasa.gov/~crmim/ and ask the readers to keep helping us

by sending corrections and missing references to existing and future publications on the T-matrix method and its various applications.

2. Particles in infinite homogeneous space

2.2. Books

Doicu et al. (2006)
Martin (2006)

2.3. Reviews

Farafonov and Il'in (2006a)
Wriedt (2007a)
Wriedt (2007b)

2.4. EBCM and its modifications and generalizations

Farafonov and Il'in (2006b)
Farafonov et al. (1999)
Farafonov et al. (2002)
Farafonov et al. (2004a)
Farafonov et al. (2004b)
Il'in et al. (2004)
Kahnert (2006)
Rother (2005)

2.5. T-matrix theory and computations for anisotropic and chiral scatterers

Kiselev et al. (2001)
Kiselev et al. (2002)
Liu and Lin (2006)
Loke et al. (2006)

2.6. Superposition T-matrix method and its modifications, including related mathematical tools

Chew et al. (1995)
Felderhof and Jones (1987)
Gouesbet and Grehan (1999)
Kim (1996)
Kim (2004a)
Kim (2004b)
Lin and Chew (1992)
Meiners et al. (2004)

2.7. T-matrix theory of electromagnetic scattering by periodic arrays of particles and photonic crystals

Burin (2006)
Gantzounis and Stefanou (2006a)
Gantzounis and Stefanou (2006b)
Gantzounis et al. (2005)
Liu and Lin (2006)
Ng et al. (2005a)
Stefanou and Modinos (1991)
Stefanou et al. (1998)
Stefanou et al. (2000)

2.8. T-matrix theory and computations of electromagnetic scattering by discrete random media

Tishkovets and Jockers (2006)
Tishkovets et al. (2002)
Tsang et al. (2000)
Varadan et al. (1982)

2.9. Relation of the T-matrix method to other theoretical approaches

Farafonov and Il'in (2005)
Farafonov and Il'in (2006a)
Kahnert (2006)
Loke et al. (2006)

Farafonov and Il'in (2006b)
Farafonov et al. (1999)
Farafonov et al. (2004a)
Farafonov et al. (2004b)
Rother (2005)
Rother (2006)
Wauer et al. (2004)

2.10. Symmetry properties of the T-matrix and analytical ensemble-averaging approaches

Farafonov et al. (2004a)
Farafonov et al. (2004b)
Kahnert (2006)
Kahnert et al. (2005)
Petrov et al. (2006a)

2.11. Convergence of various implementations of the T-matrix method

De Bisschop et al. (2005)
Farafonov and Il'in (2002)
Farafonov and Il'in (2005)
Farafonov and Il'in (2006a)
Farafonov and Il'in (2006b)
Havemann and Baran (2004)
Il'in et al. (2004)
Meiners et al. (2004)
Moroz (2005)
Pack et al. (2001)
Smith et al. (1995)

2.13. T-matrix calculations for homogeneous spheroids

Bastien and Matsumura (2005)
Battaglia and Mantovani (2005)
Battaglia et al. (2006a)
Battaglia et al. (2006b)
Bogatyrev et al. (2006)
Caumont et al. (2004)
Caumont et al. (2006)
Chamaillard and Jennings (2006)
Chowdhary et al. (2005)
Das and Sen (2006)
Davis et al. (2005a)
Davis et al. (2005b)
Dlugach and Mishchenko (2005a)
Dlugach and Mishchenko (2005b)
Dlugach and Mishchenko (2006)
Draine and Allaf-Akbari (2006)
Dubovik et al. (2006)
Emde et al. (2004b)
Eremenko et al. (2005)
Ewen et al. (2005)
Farafonov and Il'in (2002)
Farafonov et al. (1999)
Gupta et al. (2005)
Han et al. (2006)
Heintzenberg et al. (2004)
Hopcraft et al. (2004)
Jalava (2006)
Kahn et al. (2004)
Kahnert and Kylling (2004)
Matrosov et al. (2005)
Moreno et al. (2006)
Moroz (2005)
Mroczka and Szczepanowski (2005)
Mroczka and Wojtaszek (2006)
Mroczka and Wysoczański (2006)
Muñoz et al. (2006)
Naud et al. (1998)
Nicolae et al. (2004)
Nousiainen et al. (2006)
Olmo et al. (2006)
Oppel (2005)
Osborne et al. (2004)
Pearson et al. (2007)
Penttilä and Lumme (2004)
Pierangelo et al. (2004)
Prigent et al. (2005)
Prodi et al. (1999)
Quirantes and Bernard (2006)
Räisänen et al. (2006)
Reed et al. (2005)
Reichardt et al. (2004)
Russell et al. (1998)
Scarchilli et al. (2005)
Sharma et al. (2007)
Snow et al. (2005a)
Snow et al. (2005b)
Tarasov et al. (2006)
Throop et al. (2004)

Kahnert and Nousiainen (2007)
Kahnert et al. (2005)
Kalashnikova and Kahn (2006)
Khlebtsov et al. (2004b)
Khlebtsov et al. (2005a)
Khlebtsov et al. (2005b)
Khlebtsov et al. (2006b)
Klekociuk et al. (2005)
Kolesnikova et al. (2006a)
Kolesnikova et al. (2006b)
Kolokolova et al. (2004)
Kunapareddy et al. (2004)
Larsen et al. (2004)
Lazarevich and Duncan (2005)
Lazarevich et al. (2004)
Litvinov et al. (2007)
Liu et al. (2006)
Lucas et al. (2004)
Lucas et al. (2005)
Maltsev and Semyanov (2004)
Manickavasagam et al. (2004)
Trachuk et al. (2005a)
Trachuk et al. (2005b)
Troitsky et al. (2005)
Veihelmann et al. (2006a)
Veihelmann et al. (2006b)
Vulpiani et al. (2005a)
Vulpiani et al. (2005b)
Vulpiani et al. (2006b)
Wagner et al. (2005)
Wang et al. (2004)
Wang et al. (2005)
Wong et al. (2006)
Xiaoyong et al. (2005)
Yang et al. (2004b)
Yang et al. (2005)
Yilmaz et al. (2004b)
Yilmaz et al. (2006)
You et al. (2006)
Zasetsky et al. (2004)

2.14. *T-matrix calculations for Chebyshev and generalized Chebyshev particles*

Aslan et al. (2006)
Bankman et al. (2004)
Hoekstra and Sloot (1993)
Lazarevich et al. (2004)
Lee (2006)
Lee and Zawadzki (2006)
Penttilä and Lumme (2004)
Prodi et al. (1999)
Reed et al. (2005)
Rother et al. (2006)

2.15. *T-matrix calculations for finite circular cylinders*

Appleyard (2006)
Balaev et al. (2003a)
Balaev et al. (2003b)
Baran (2005)
Baran and Havemann (2004)
Battaglia et al. (2006a)
Baumgarten and Thomas (2006)
Chen et al. (2006a)
Davis et al. (2005a)
Davis et al. (2005b)
Ding and Xu (2002)
Dlugach and Mishchenko (2005a)
Dlugach and Mishchenko (2005b)
Emde et al. (2004a)
Ewen et al. (2005)
Havemann and Baran (2004)
Kahn et al. (2004)
Kahn et al. (2005)
Khlebtsov and Khlebtsov (2006)
Khlebtsov et al. (2004b)
Kim (2006)
Litvinov et al. (2007)
Liu et al. (2006)
Mangold et al. (2005)
Mitchell et al. (2006)
Möhler et al. (2006)
Mroczka and Wysoczański (2006)
Muñoz et al. (2006)
Oppel (2005)
Penttilä and Lumme (2004)
Przekwas and Sikorski (2006)
Pulbere and Wriedt (2004)
Sikorski et al. (2006)
Wagner et al. (2006)
Xu and Ding (2002)
Xu et al. (2002)
Yang et al. (2004a)
Yilmaz (2007)
Yilmaz et al. (2004a)

2.16. T-matrix calculations for various rotationally symmetric particles

Alekseeva et al. (2005a)
Alekseeva et al. (2005b)
De Bisschop et al. (2005)
Hellmers et al. (2006a)
Hellmers et al. (2006b)
Khlebtsov and Khlebtsov (2006)
Khlebtsov et al. (2004b)
Khlebtsov et al. (2005a)
Khlebtsov et al. (2005b)
Khlebtsov et al. (2006b)
Khlebtsov et al. (2006c)
Khlebtsov et al. (2006d)
Lin and Chew (1992)
Pulbere and Wriedt (2004)
Singer et al. (2006)
Trachuk et al. (2005b)
Wriedt et al. (2006)
Xiaoyong et al. (2005)

2.17. T-matrix calculations for ellipsoids, polyhedral scatterers, and other particles lacking axial symmetry

Baran (2005)
Baran and Havemann (2004)
Havemann and Baran (2004)
Hellmers and Wriedt (2004)
Kahnert (2005)
Kahnert and Kylling (2004)
Kahnert et al. (2005)
Mitchell et al. (2006)
Nousiainen et al. (2006)
Petrov et al. (2006a)
Petrov et al. (2006b)

2.18. T-matrix calculations for layered and composite particles

Farafonov et al. (2004a)
Kiselev et al. (2001)
Kiselev et al. (2002)
Quirantes (2005)
Quirantes and Bernard (2004)
Quirantes and Bernard (2006)
Trachuk et al. (2005a)
Videen and Ngo (2006)

2.19. T-matrix calculations for clusters of homogeneous spheres

Aiello et al. (2005)
Andersen et al. (2006)
Auger et al. (2005)
Bai et al. (2004)
Borghese et al. (1985)
Borghese et al. (2005)
Borghese et al. (2006)
Bruzzone et al. (2005a)
Bruzzone et al. (2005b)
Cecchi-Pestellini et al. (2005)
Chen et al. (2006b)
Chen et al. (2006c)
Chew et al. (1995)
da Silva et al. (2003)
Defos du Rau et al. (1998)
Exarhos and Ferris (2004)
Galletto et al. (2005)
Gérardy and Ausloos (1983)
Giusto et al. (2005a)
Giusto et al. (2005b)
Green and Lumme (2005)
Iatì et al. (2004a)
Mann et al. (2004)
Markel and Shalaev (2001)
Markel et al. (2001)
Meiners et al. (2004)
Mishchenko et al. (2004a)
Ng et al. (2005a)
Ng et al. (2005b)
Pack et al. (2001)
Park et al. (2006)
Penttilä and Lumme (2004)
Petrova et al. (2004)
Prot et al. (2002)
Quinten (2000)
Quinten (2001a)
Quinten (2001b)
Quinten et al. (1998)
Reinhard et al. (2005)
Riefler et al. (2004)
Rouleau (1996)
Roumeliotis and Douvalis (2004)
Sabouroux et al. (2007)
Saija et al. (2005a)

Iatì et al. (2004b)
Iatì et al. (2005a)
Iatì et al. (2005b)
Ioannidou (2005)
Kätzel et al. (2005)
Khlebtsov and Khlebtsov (2006)
Khlebtsov et al. (2004a)
Khlebtsov et al. (2005a)
Khlebtsov et al. (2006a)
Khlebtsov et al. (2006c)
Khlebtsov et al. (2006d)
Kim and Lumme (2005)
Kimura et al. (2006)
Köhler et al. (2006)
Kolokolova et al. (2004)
Kolokolova et al. (2006)
Lecler et al. (2004)
Li and Xu (2007)
Lin et al. (2006)
Litvinov et al. (2007)
Liu and Mishchenko (2005)
Lu et al. (2004)
Mackowski et al. (2006)
Saija et al. (2005b)
Simpson and Hanna (2006)
Sindoni (2005)
Sindoni et al. (2006)
Smith et al. (1995)
Sun et al. (2006)
Tamanai et al. (2006)
Trachuk et al. (2005b)
Tseng et al. (2006)
Van-Hulle et al. (2002)
Wei et al. (2004)
Whitcomb et al. (2005)
Wurm et al. (2004)
Xu and Gustafson (2003)
Xu and Käll (2002)
Xu and Käll (2006)
Xu et al. (2000)
Xu et al. (2006)
Zerrouki et al. (2006)
Zou and Schatz (2005)
Zou and Schatz (2006a)
Zou and Schatz (2006b)
Zou et al. (2003)

2.20. *T-matrix calculations for clusters of layered spheres*

Khlebtsov et al. (2006d)
Stout et al. (2003)

2.21. *T-matrix calculations for clusters of nonspherical monomers*

Xu (2004)

2.22. *T-matrix calculations for particles with one or several (eccentric) inclusions*

Fuller (1994)
Ioannidou (2005)
Krieger et al. (2004)
Rao and Gupta (2005)
Roumeliotis et al. (1995)
Videen and Ngo (2006)

2.23. *T-matrix calculations of optical resonances in nonspherical particles*

Borghese et al. (1985)
Bruzzone et al. (2005a)
Bruzzone et al. (2005b)
Burin (2006)
Chen et al. (2006b)
Chen et al. (2006c)
Fuller (1994)
Giusto et al. (2005a)
Giusto et al. (2005b)
Han et al. (2006)
Khlebtsov and Khlebtsov (2006)
Khlebtsov et al. (2006c)
Ng et al. (2005b)
Quinten (2001b)
Quinten et al. (1998)
Reinhard et al. (2005)
Rother et al. (2006)
Smith et al. (1995)
Trachuk et al. (2005a)
Trachuk et al. (2005b)
Wei et al. (2004)
Zou and Schatz (2006a)

Khlebtsov et al. (2005a)
Khlebtsov et al. (2006a)
Zou and Schatz (2006b)

2.24. T-matrix calculations of optical forces and torques on small particles

Aiello et al. (2005)
Borghese et al. (2006)
Iatì et al. (2004a)
Iatì et al. (2004b)
Loke et al. (2006)
Moine and Stout (2005)
Ng et al. (2005a)
Ng et al. (2005b)
Nieminen et al. (2004a)
Nieminen et al. (2004b)
Przekwas and Sikorski (2006)
Saija et al. (2005a)
Sikorski et al. (2006)
Simpson and Hanna (2006)
Singer et al. (2006)
Xu and Käll (2002)

2.25. T-matrix calculations of internal, surface, and local fields

Borghese et al. (2005)
Bruzzone et al. (2005a)
Bruzzone et al. (2005b)
Cecchi-Pestellini et al. (2005)
Chen et al. (2006c)
De Bisschop et al. (2005)
Li and Xu (2007)
Pack et al. (2001)
Prot et al. (2002)
Quinten (2000)
Quinten (2001a)
Quinten et al. (1998)
Saija et al. (2005b)
Xu and Käll (2002)
Xu and Käll (2006)
Xu et al. (2000)
Zou and Schatz (2005)

2.26. Illumination by focused beams and non-plane waves

Bai et al. (2004)
Gouesbet and Grehan (1999)
Lu et al. (2004)
Moine and Stout (2005)
Sikorski et al. (2006)

2.27. Use of T-matrix calculations for testing other theoretical techniques

Andersen et al. (2006)
Appleyard (2006)
Balaev et al. (2003a)
Balaev et al. (2003b)
De Bisschop et al. (2005)
Khlebtsov and Khlebtsov (2006)
Khlebtsov et al. (2006b)
Kiselev et al. (2002)
Köhler et al. (2006)
Mitchell et al. (2006)
Petrov et al. (2006a)
Sabouroux et al. (2007)
Tseng et al. (2006)
Van-Hulle et al. (2002)
Xu et al. (2006)
Yang et al. (2004a)
Zou et al. (2003)

2.28. Comparisons of T-matrix and effective-medium-approximation results

Farafonov et al. (2004a)

2.29. Comparisons of T-matrix and controlled laboratory results

Defos du Rau et al. (1998)
Sabouroux et al. (2007)
Xu and Gustafson (2003)

2.30. Use of T-matrix calculations for analyzing laboratory data

Aslan et al. (2006)
Bogatyrev et al. (2006)
Heintzenberg et al. (2004)
Hopcraft et al. (2004)
Galletto et al. (2005)
Jalava (2006)
Kätzel et al. (2005)
Khlebtsov et al. (2005b)
Krieger et al. (2004)
Lin et al. (2006)
Maltsev and Semyanov (2004)
Mangold et al. (2005)
Manickavasagam et al. (2004)
Moreno et al. (2006)
Muñoz et al. (2006)
Nousiainen et al. (2006)
Reinhard et al. (2005)
Sindoni et al. (2006)
Sun et al. (2006)
Veihelmann et al. (2006a)
Veihelmann et al. (2006b)
Wagner et al. (2005)
Wagner et al. (2006)
Wurm et al. (2004)
Xiaoyong et al. (2005)
Zerrouki et al. (2006)

2.31. T-matrix modeling of scattering properties of mineral aerosols in the terrestrial atmosphere and soil particles

Bankman et al. (2004)
Chamaillard and Jennings (2006)
Chowdhary et al. (2005)
Dubovik et al. (2006)
Kahnert and Kylling (2004)
Kahnert and Nousiainen (2007)
Kahnert et al. (2005)
Kalashnikova and Kahn (2006)
Klekociuk et al. (2005)
Mishchenko et al. (2004a)
Moreno et al. (2006)
Nousiainen et al. (2006)
Olmo et al. (2006)
Oppel (2005)
Pearson et al. (2007)
Pierangelo et al. (2004)
Schmidt et al. (2006)
Veihelmann et al. (2006a)
Veihelmann et al. (2006b)
You et al. (2006)

2.32. T-matrix modeling of scattering properties of carbonaceous and soot aerosols and soot-containing aerosol and cloud particles

Appleyard (2006)
Bastien and Matsumura (2005)
Ioannidou (2005)
Liu and Mishchenko (2005)
Mackowski et al. (2006)
Markel and Shalaev (2001)
Markel et al. (2001)
Mishchenko et al. (2004a)
Osborne et al. (2004)
Riefler et al. (2004)
Van-Hulle et al. (2002)
You et al. (2006)

2.33. T-matrix modeling of scattering properties of cirrus cloud particles

Aydin and Singh (2004)
Baran (2005)
Baran and Havemann (2004)
Battaglia et al. (2006a)
Borrmann et al. (2000)
Chen et al. (2006a)
Davis et al. (2005a)
Davis et al. (2005b)
Ding and Xu (2002)
Emde et al. (2004a)
Möhler et al. (2006)
Naud et al. (1998)
Oppel (2005)
Prigent et al. (2005)
Prodi et al. (1999)
Räisänen et al. (2006)
Russell et al. (1998)
Schmidt et al. (2006)
Teichmann et al. (2006)
Troitsky et al. (2005)

Emde et al. (2004b)
Ewen et al. (2005)
Havemann and Baran (2004)
Kahn et al. (2004)
Kahn et al. (2005)
Kim (2006)
Liu et al. (2006)
Mangold et al. (2005)
Matrosov et al. (2005)
Mitchell et al. (2006)
Wagner et al. (2006)
Wang et al. (2004)
Wang et al. (2005)
Xu and Ding (2002)
Xu et al. (2002)
Yang et al. (2004a)
Yang et al. (2004b)
Yang et al. (2005)
Zasetsky et al. (2004)
Zhang et al. (2004)

2.34. *T-matrix modeling of scattering properties of hydrometeors*

Battaglia and Mantovani (2005)
Battaglia et al. (2006a)
Battaglia et al. (2006b)
Caumont et al. (2004)
Caumont et al. (2006)
Lee (2006)
Lee and Zawadzki (2006)
Marzano et al. (2006)
Skaropoulos and Russchenberg (2002)
Vulpiani et al. (2005a)
Vulpiani et al. (2005b)
Vulpiani et al. (2006a)
Vulpiani et al. (2006b)
Xiaoyong et al. (2005)

2.35. *T-matrix modeling of scattering properties of terrestrial stratospheric aerosol and cloud particles*

Larsen et al. (2004)
Reichardt et al. (2004)
Wagner et al. (2005)
Zasetsky and Sloan (2003)

2.36. *T-matrix modeling of scattering properties of noctilucent cloud particles*

Baumgarten and Thomas (2006)
Eremenko et al. (2005)

2.37. *T-matrix modeling of scattering properties of hydrosol particles*

Quirantes and Bernard (2004)
Quirantes and Bernard (2006)

2.38. *T-matrix modeling of scattering properties of aerosol and cloud particles in planetary atmospheres*

Dlugach and Mishchenko (2005a)
Dlugach and Mishchenko (2005b)

2.39. *T-matrix modeling of scattering properties of interstellar, interplanetary, and cometary particles*

Bastien and Matsumura (2005)
Borghese et al. (2005)
Cecchi-Pestellini et al. (2005)
Clayton et al. (2005)
Das and Sen (2006)
Draine and Allaf-Akbari (2006)
Gupta et al. (2005)
Iatì et al. (2004a)
Köhler et al. (2006)
Kolokolova et al. (2004)
Lucas et al. (2004)
Lucas et al. (2005)
Mann et al. (2004)
Petrova et al. (2004)
Rouleau (1996)
Saija et al. (2005b)

Iatì et al. (2004b)
Iatì et al. (2005b)
Kimura et al. (2006)
Klekociuk et al. (2005)
Tamanai et al. (2006)
Throop et al. (2004)
Wong et al. (2006)
Wurm et al. (2004)

2.40. T-matrix computations for industrial and military applications

Appleyard (2006)
Jalava (2006)
Reed et al. (2005)
Sindoni et al. (2006)
Snow et al. (2005a)
Snow et al. (2005b)
Yilmaz et al. (2004a)
Zerrouki et al. (2006)

2.41. T-matrix computations for biomedical applications

Alekseeva et al. (2005a)
Alekseeva et al. (2005b)
Balaev et al. (2003a)
Balaev et al. (2003b)
Bogatyrev et al. (2006)
Hellmers et al. (2006a)
Khlebtsov and Khlebtsov (2006)
Khlebtsov et al. (2004a)
Khlebtsov et al. (2004b)
Khlebtsov et al. (2005a)
Khlebtsov et al. (2006c)
Kolesnikova et al. (2006a)
Kolesnikova et al. (2006b)
Kunapareddy et al. (2004)
Lazarevich and Duncan (2005)
Lazarevich et al. (2004)
Maltsev and Semyanov (2004)
Mroczka and Szczepanowski (2005)
Mroczka and Wysoczański (2006)
Park et al. (2006)
Petrov et al. (2006b)
Przekwas and Sikorski (2006)
Quirantes and Bernard (2006)
Reinhard et al. (2005)
Sharma et al. (2007)
Sikorski et al. (2006)
Sindoni et al. (2006)
Snow et al. (2005a)
Snow et al. (2005b)
Tarasov et al. (2006)
Videen and Ngo (2006)
Wriedt et al. (2006)
Yilmaz et al. (2006)

2.42. T-matrix computations of anisotropic and aggregation properties of colloids and other disperse media

Galletto et al. (2005)
Khlebtsov et al. (2006a)
Lin et al. (2006)
Quinten (2001b)
Reinhard et al. (2005)
Sun et al. (2006)
Trachuk et al. (2005b)
Zerrouki et al. (2006)

3. Particles near infinite interfaces

3.2. Spherically symmetric particles

Gantzounis et al. (2005)
Jory et al. (2001)
Jory et al. (2003a)
Jory et al. (2003b)
Stefanou and Modinos (1991)

3.3. Non-spherically symmetric finite particles

Venkata et al. (2007)

3.4. Finite particles on incident side of planar interface

Gantzounis et al. (2005)
Stefanou and Modinos (1991)
Venkata et al. (2007)

3.5. Finite particles on transmitted side of planar interface

Jory et al. (2001)
Jory et al. (2003a)
Jory et al. (2003b)

3.8. Convergence of results

Jory et al. (2003a)

3.10. Normally incident interaction-field approximation

Jory et al. (2001)
Jory et al. (2003a)
Jory et al. (2003b)

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